

South St. Louis Goals

Surface Water Quality Goals– South St. Louis

Identify and address ground and surface water quality problems stemming from inadequate wastewater treatment by supporting the enforcement of SSTS ordinances and inventory and upgrade X% of non-compliant systems in priority areas.

- Septic system records review of impaired waters
- Education and Outreach campaign to SSTS landowners in targeted areas.
- SSTS evaluation of County records to assess potential risks
- Support enforcement follow-up for non-low-income systems
- Support of County Staff to enforce SSTS ordinances.
- Provide additional cost share for low-income system replacements
- Cost share x high priority septic systems for low-income residents. (St. Louis County typically do 10 systems a year)
- Support training of new SSTS professionals

Complete farm projects on X % of properties identified as needing enhancements (e.g., livestock exclusion, manure storage, pasture management) where there are bacteria impairments.

- Outreach to 4 Priority animal operations
- Review riparian corridor survey for livestock exclusion and implement 2 projects to increase livestock exclusion
- Develop plans for 4 priority farms
- Work with 2 producers to develop and implement rotational grazing plans
- Implement at least 4 feedlot practices that store manure in ways that prevent runoff

Manage chlorides reaching surface and ground water from road salts and water softener salts by ensuring X% of municipalities have Smart Salt Certified Staff, X% Communities achieved Level 2 Certified & education & outreach to X% of priority landowners.

- Identify high priority private landowners and target outreach
- Work with MPCA to provide Level 2 Certification to 2 municipalities Evaluate County's salt training with Smart Salt training and identify gaps.
- Provide cost share for staff smart salt training
- Educate large property owners on salt use and promote smart salt training

Drinking Water Protection Goals– South St. Louis

Protect groundwater quality by sealing X unused, unsealed wells watershed wide.

- Seal 25 unused wells
- Provide cost share to seal unused well
- Develop educational campaign for groundwater protection
- Develop groundwater monitoring program to better understand groundwater quality trends
- Target 1 mile buffer area around DWSMAs for well sealing campaign

Land Use Goals – South St. Louis

Promote the implementation of low impact development techniques to reduce stormwater runoff, volume and rate control in x% of communities

- Install 10 rain garden / catch basins in priority areas
- Implement the City of Carlton Stormwater Plan
- Review MS4 plans and look for green infrastructure opportunities
- Develop education/outreach campaign to municipalities
- Work with the State of MN to ensure NPDES permits and guidelines are followed for construction and industrial sources of stormwater.
- Develop an education and outreach campaign to urban landowners on stormwater BMPs

Altered Hydrology Goals – South St. Louis

Reconnect X miles of priority streams and tributaries to benefit aquatic life and improve water quality.

- Cost share the replacement of 6 private driveway culverts over high priority trout streams and tributaries
- Complete fish friendly culvert designs for 14 high priority trout streams and tributaries
- Provide cost share to replace high priority township culverts for structures under 10 feet
- Work with county transportation staff to seek funding for 3 county owned high priority structures.
- Incorporate check dams in road ditches to help slow the flow

Restore stream reaches that have been altered by human activity, including impounded, straightened, and incised stream reaches on X Linear Feet of high priority streams and tributaries.

- Evaluate feasibility of the identified 13 targeted stream restoration sites in the Midway subwatershed
- Develop designs for 3 restorations in the Midway Subwatershed
- Implement 3 stream restoration projects in the Midway Subwatershed
- Restore 1000 feet of Slaughterhouse Creek adjacent to Hwy 45 in Carlton on County owned parcel
- Complete preliminary design for Slaughterhouse Creek Restoration

Habitat Goals – South St. Louis

Protect & manage X acres of private owned forests in areas that protect surface water, drinking/groundwater water quality and riparian habitat.

- Develop Forest Management Plans for 3282 acres in the Midway Subwatershed (~11 plans per year)
- Enroll 3282 acres of forest in SFIA, 2C or Easements in the Midway subwatershed
- Evaluate potential to protect groundwater recharge areas in the Midway subwatershed
- Develop Forest Management Plans for 3853 acres in the Thomson Subwatershed (~12 plans per year)
- Enroll 3853 acres of forest in SFIA, 2C or Easements in the Thomson subwatershed
- Conduct 10 workshops for woodland land owners
- Develop and Implement an outreach campaign to forest landowners

X % (or feet) of shoreline in prioritized lakes and streams have natural buffers and near shore areas are protected and restored to reduce erosion using bank stabilization, bioengineering, etc. techniques.

- Use South St. Louis & MPCA Midway Watershed study to target riparian restoration outreach
- Develop riparian restoration plans for 5 high priority sites
- Complete 5 Riparian Plantings in the Midway watershed
- Use Carlton SWCD Riparian Restoration Plan to restore Midway River Riparian areas
- Implement tax incentive program to incentivize natural shorelines
- Enforce shoreland setbacks/buffers in all parts of the watershed
- Develop a BMP education and outreach campaign to shoreline landowners in targeted areas.
- Implement a visual preference study with landowners

Shoreline ordinances are updated, developed, and enforced for X % of municipalities with priority resource shoreline areas.

- Survey municipalities that are not covered under County zoning to determine the status of their shoreline ordinances
- Provide financial assistance to municipalities to develop and enforce shoreland ordinances
- Support communities to enforce shoreline ordinances.
- Education and outreach campaign to lakeshore owners on targeted lakes shoreline/buffers/BMPs